Data Sheet

We make sure

FUJITSU COMPUTERS SIEMENS

ESPRIMO P3500 Value Line Microtower

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The ESPRIMO P3500 is the gateway to professional computing. The Microtower extends the Fujitsu Siemens Computers' Value Line product portfolio with an additional form factor.

The basic professional PC is the ultimate balance of valuable performance at very attractive prices. The ESPRIMO P3500 is aimed towards the large enterprises that are looking for a price-conscious professional PC with longer lifecycle.

- Reliable i945G chipset with Intel Core2 Duo support
- Excellent resolution with on board graphics
- High quality and function stability
- Convenient front access to USB and audio

Windows Vista Business

	P3500
Mainboard	
Chipset	i945G Express
Mainboard Number	D2610
Mainboard form factor	µBTX
Processor socket	LGA 775
Front side bus resp. system bus support	533/800/1066 MHz
BIOS version	Phoenix Vers. 5.0
Flash EPROM BIOS update by software	x
Recovery BIOS	x
Processor	
Intel® Core™2 Duo	up to E6600
Second level cache	4MB
Front side bus (FSB)	1066 MHz
Intel® Core™2 Duo	up to E4400
Second level cache	2MB
Front side bus (FSB)	800MHz
Intel® Pentium™ Dual core	up to E2160
Second level cache	1MB
Front side bus (FSB)	800MHz
Intel® Celeron	up to 440
Second level cache	512 KB
Front side bus (FSB)	533 MHz
Memory	
Memory support	533/667 MHz
DIMM slots	4
dual channel support	x
Max. capacity DDR2 SDRAM 667 MHz	4GB
for dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same	4GB address space thereof, max. 3.0GB usable for physical main memory
Interfaces	
Mouse/keyboard (PS2)	x/x
Serial (9pi, 16 byte FIFO, 16550 compatible)	x
Second serial port	-
Parallel (25pin with EPP and ECP)	-
Display (15 pin, VGA)	x
DVI	optional
Micro (mono) rear	x
Line in (stereo) rear	x
Line out (stereo) rear	x
Micro (mono) front	x
Headphone in front	x
LAN RJ45	x
Universal Serial Bus (USB 2.0) in total	8
therefore USB rear	4
USB front	2
USB internal	2, optional rear
Interfaces add on cards	
Dual port RS232 , serial	optional
Parallel cable (25pin with EPP and ECP)	-
Multicardreader	optional
LAN on board	
10/100/1000 MBit/s	Realtek RTL8110
Wake up on LAN (WOL)	x
PXE	x
BootP	-
LAN add on cards	
Gigabit Ethernet, SysKonnect	optional
Audio on board	
Internal speaker supports audio playback	no, buzzer only
High definition audio	Realtek ALC260
I/O controller onboard	
Serial ATA	3
Serial ATA II / 3GBit	x/x
Drive bays	4
internal 3,5"	1
external 3,5"	1
external 5,25"	2
Floppy disk drive 1.44 MB standard	optional
Hard disk drives	
Serial ATA II 80 / 160 / 250 GB	x/x/x
supporting NCQ and 3GBit (if chipset support is available)	
Optical drives (SATA)	
16/48-speed DVD ROM	optional
48/24/48/16-speed CD-RW / DVD ROM	optional
DVD SuperMulti writer double layer support	optional
Slots	
PCI	2 (230 mm / 312 mm)
PCI Express x16	1 (230mm)
PCI Express x1	-
Graphic on board	Intel® GMA950
Shared memory depending on driver	up to 224 MB
Resolution (color depth up to 32 Bit/pixel)	
1024 x 768 (recommended / max*)	85 / 120 Hz
1280 x 1024 (recommended / max*)	85 / 120 Hz
1600 x 1200 (recommended / max*)	85 Hz

1440 x 900 widescreen TFT (VGA / DVI)	- / x
1680 x 1050 widescreen TFT (VGA / DVI)	x / x
1920 x 1200 widescreen TFT (VGA / DVI)	x / x
* refresh rates reflect the max. graphics capabilities. Video quality can be deteriorated when using maximum settings. For TFT we recommend to use 60Hz.	
Graphic add on cards	
NVIDIAGeForce FX 7300LE 128MB, LP	-
NVIDIAGeForce FX 7300LE 256MB, LP	-
NVIDIAGeForce FX 7300LE 128MB	optional
NVIDIAGeForce FX 7300LE 256MB	optional
DVI adapter incl. Dual Monitoring (DVI/VGA)	optional
Dual-DVI adapter incl. Dual Monitoring (DVI/DVI)	optional
Electrical values	
Rated voltage range, AC	100 - 127 / 200 - 240 V
Rated frequency range	50-60 Hz
Operating voltage range, AC	90 - 137 / 180 - 264 V
Operating line frequency range	47-63 Hz
Max. output of power supply	300 W
PFC (power factor correction)	passive
Monitor outlet	no
Power consumption for standard configuration (W) / CPU	E6400
Peak (S0, running app. CD in use)	155W / 106W
Average (S0, running OS, Idle mode)	91W / 61W
Stand by (S3, energy saving modus, WOL enabaled)	4,6W
Minimum (ACPI status S5, soft off, **WOL enabled**)	4,3W
Minimum (ACPI status S5, soft off, **wake up power button only)**	3,9W
Minimum **"low power soft off"** (FSC patent pending) (ACPI S5, soft off, wake up power button only)	-
Heat dissipation (kJ/h / BTU/h) / CPU	E6400
Peak (S0, running app. CD in use)	382kJ/h / 362BTU/h
Average (S0, running OS, Idle mode)	220kJ/h / 208BTU/h
Stand by (S3, energy saving modus, WOL enabled)	16,6kJ/h / 15,7BTU/h
Minimum (ACPI status S5, soft off, **WOL enabled**)	15,5kJ/h / 14,7BTU/h
1W = 3,6kJ/h, 1W = 3,4121BTU/h	
Noise for standard configuration (HDD, ODD, FDD)	E6400 *(P4 651 in dB(A) only)*
A weighted sound **power level Lwad** (in B) / Workplace related A-weighted sound **pressure level LpAm** (in dB(A)), (bystander position) (ISO9296)	
Operation mode 1: ODD load (Blue angel requirement)	5,0B / 35dB(A)
Operation mode 2: HDD load (Blue angel requirement)	4,5B / 30dB(A)
Operation mode 3: CPU 90% load (Blue angel requirement)	4,4B / 30dB(A) *(32dB(A))*
Operation mode 4: High load	4,5B / 30dB(A) *(31dB(A))*
Operation mode 5: Office applications	4,4B / 30dB(A)
Idle mode (Blue angel requirement)	4,4B / 30dB(A)
Ambient temperature (IEC 721)	15°C'- 35°C
Dimensions (H x W x D)	372 x 202 x 376 mm
Operating position (vertical/horizontal)	x /-
Weight (depending on config)	approx. 11 kg
Approvals and standards	
CE certification according to EU Directives 89/336/EEC (EMC) and 06/95/EC (Product safety)	x
Ergonomics ISO9241 (GS mark)	x
Product safety IEC60950, EN60950,	x
Electromagn. compatibility EN55022/B, EN55024, EN61000-3-2/3	x
Environmental compatibility	
RoHS (Restriction of hazardous substances)	x
WEEE (Waste electrical and electronical equipment)	x
Energy Star	-
Blue Angel	-
Nordic Swan	-
Software (compatibility / preinstalled)	
Microsoft Windows 2000	- / -
Microsoft Windows XP Home	x / -
Microsoft Windows XP Professional	x / optional
Microsoft Windows XP Professional x64 Edition	- / -
Microsoft Windows Vista™ 32bit	x / optional
Microsoft Windows Vista™ 64bit	- / -
Microsoft Windows Vista™ Basic Logo (min. 512MB RAM necessary)	x
Microsoft Windows Vista™ Premium Logo (min. 1GB RAM and Dual Channel memory necessary)	x
Linux certified	x
Additional Software	
Recovery DVD (Microsoft Windows XP / Vista)	x / optional
Drivers and Utility DVD (DUDVD) (Microsoft Windows XP / Vista)	x / optional
Others	
Spare part availability	3 years
Compatibility (references)	
Microsoft Operating Systems (HCT / HCL entry)	x
PC 2001, DMI 2.0, WMI 1.5, USB 2.0	x
Manageability	

DeskView 10.x client management including:	
On/Offline remote client management	-
Detailed system inventory management and reports	-
BIOS Management	-
Remote power management	-
System notifications	-
Advanced alerts (ASF implementation)	-
Security Remote Control	-
DeskView Helpdesk Integration	-
DeskUpdate Driver management	-
DeskView Migrate	optional
DeskView Control	optional
PXE 2.1 Boot code	x
BootP Boot Code including Bootmanage Administrator Software	-
Wake up from S5 (off mode)	x
Intrusion switch	-
Security	
Physical Security implemented in the cabinet	
Prepared for Kensington lock, eye for padlock	x
Integrated cabinet lock	-
System Security	
Boot sector virus protection	x
Write protect option for the Flash EPROM	-
Embedded security (TPM1.2)	-
Norton Internet Security (NIS)	x
Boot protection for floppy disk/CD drive and write protection for floppy disk drive	-
Control of external interfaces	x
User Security	
User and supervisor BIOS password	x
SystemLock BIOS SmartCard Security	-
SystemLock 2 BIOS SmartCard Security	-
Hard disk password	-
Access protection via external SmartCard reader	optional
Access protection via internal SmartCard reader	-
Fujitsu Siemens Computers MEMORYBIRD BIOS lock	-
Serviceability	
FlexySlot	-
EasyFix	-
EasyChange (for HDD / for optical drives)	-
EasyPull	-

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